



- CONSTRUCTION DETAILS**
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, PROPOSED VIDEO DETECTION CAMERA, 250 WATT HPS LUMINAIRE WITH PHOTOCCELL AND 15 FT. LIGHTING ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, PROPOSED VIDEO DETECTION CAMERA, 250 WATT HPS LUMINAIRE WITH PHOTOCCELL AND 15 FT. LIGHTING ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 10+33 RT. 108 FT., STA. 10+46 LT. 27 FT., STA. 9+56 LT. 31 FT.
  - CAP AND ABANDON EXISTING CONDUIT
  - REMOVE EXISTING HANDHOLE
  - INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. (NOTE: ONE-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - USE EXISTING CONDUIT.
  - INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, ONE-3 IN. AND ONE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 10+26 LT. 27 FT.
  - INSTALL HANDHOLE.
  - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
  - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
  - INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
  - INSTALL 24 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
  - INSTALL 12 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALK.
  - INSTALL ONE-3 IN. PVC SCHEDULE 80 CONDUIT FOR POWER FEED AND ONE-2 IN. SCHEDULE 80 CONDUIT FOR TELEPHONE DROP TO BOTTOM OF UTILITY POLE, STUB UP CONDUITS AT BASE OF UTILITY POLE.
  - REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
  - REMOVE EXISTING SIGNAL CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
  - REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
  - ABANDON EXISTING DETECTORS.
  - USE EXISTING HANDHOLE.
  - REMOVE EXISTING CROSSWALK.
  - INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE) SCHEDULE 80 CONDUIT BEND AND FOUR-1 IN. X 40 IN. ANCHOR BOLTS). STA. 10+15 LT. 5 FT.
  - REPLACE EXISTING PEDESTRIAN SIGNAL HEAD WITH NEW PEDESTRIAN SIGNAL HEAD.
  - INSTALL MICRO-LOOP SET WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANES ONLY).

REVISIONS		APPROVALS	
2	SHA NO. P664005176 REDLINE REVISION NO. 2 REPLACE THIS SHEET	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
1	SHA NO. P664005176 REDLINE REVISION NO. 1 REPLACE THIS SHEET	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
8	SHA NO. P64005176 RECONSTRUCTION OF SIGNAL EQUIPMENT	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
3	SHA NO. P408001385 REVISED SIDE STREET DETECTORS	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TRAFFIC SIGNAL PLAN

**MD 704 (MARTIN LUTHER KING JR. HIGHWAY)  
AND SHERIFF ROAD**

DRAWN BY: J. SPENCE	F.A.P. NO. M-5025(2)	TS NO. 96B	SHEET NO. 11 OF 16
CHECKED BY:	S.H.A. NO. P-408-001-385	T.J.M.S. NO. F465	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES		
DATE:	LOG MILE: 16070401.51		

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